**Introduction**

Calceon®6 calcium sulfate pellets are an effective alternative to autograft and allograft for filling bony defects. This material is porous, osteoconductive and bioresorbable. It is manufactured into pellets which naturally resorb in vivo and are replaced by new bone. Calceon 6 is one of the latest additions to the rapidly expanding line of osteobiologic products from Synthes.

**Indications**

Calceon 6 pellets are indicated for filling bony defects, created by traumatic injury or surgical intervention, that are not intrinsic to the stability of the bony structure. The pellets are to be gently packed into bony voids or gaps in the extremities, spine and pelvis. Calceon 6 is a bone void filler that resorbs and is replaced with bone during the healing process. Because Calceon 6 is biodegradable and biocompatible, it may be used at an infected site.

**Contraindications**

This product is not intended to provide structural support during the healing process; therefore, Calceon 6 pellets are contraindicated in cases where structural support of the skeletal system is required. Conditions representing relative contraindications include:

- Severe vascular or neurological disease
- Uncontrolled diabetes
- Severe degenerative bone disease
- Pregnancy
- Uncooperative patients who will not or cannot follow postoperative instruction, including individuals who abuse drugs and/or alcohol
- Hypercalcemia
- Renal-compromised patients
- Patients with a history of or active Pott’s disease
Canine Proximal Humerus Study
A canine humeral model was used to study new bone formation using Calceon 6 pellets compared to autologous bone graft. At 6 weeks, the mean area fraction of new bone was 13.6% for Calceon 6 compared to 8.7% for autograft. Representative x-rays shown below are from a Calceon 6-treated test animal.

Preoperative | Postoperative | 3 weeks postoperative | 6 weeks postoperative

Features and Benefits
Osteoconductive, bioresorbable and biocompatible
• Resorbs in a period of 4–8 weeks, commensurate with the rate of new bone growth

Radiopaque
• Enables visualization by imaging during surgery and postoperative follow-up

Meets International Organization for Standardization (ISO) standards for biocompatibility

Medical grade, synthetic material
• Eliminates risk of disease transmission

Multiple indications for use
• Can be used in the extremities, spine and pelvis
• Can be used at an infected site
Product Information

- Sterile, nonpyrogenic, single-use
- Terminally sterilized by gamma irradiation
- Calcium sulfate dihydrate complies with USP/NF test specifications
- Cylindrical pellets, 4.8 mm x 3.3 mm
- 5 cc, 10 cc and 20 cc single-use packages

Calceon® 6, Calcium Sulfate Pellets

- CSP-05-06S 5 cc
- CSP-10-06S 10 cc
- CSP-20-06S 20 cc